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Zeichen/Ref./Réf. Z70640/EP	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 01300271.2-2116-
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire AstraZeneca AB	

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

- Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

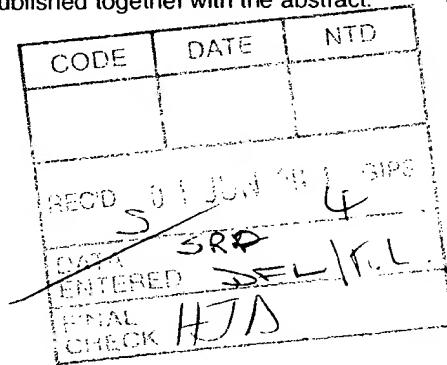
The following specifications given by the applicant have been approved by the Search Division:

abstract title

- The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

NONE



REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	MOEHARIO L H ET AL: "THE HUMAN PYRUVATE DEHYDROGENASE COMPLEX A POLYMORPHIC REGION OF THE LIPOATE ACETYLTRANSFERASE E2 SUBUNIT GENE" BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1097, no. 2, 1991, pages 128-132, XP000993335 ISSN: 0006-3002	1-6, 9	C12Q1/68
Y	See page 131, Fig.2, Table 1 and left column, second paragraph. * the whole document *	7, 8, 10-12	
X	WO 88 04689 A (AMRAD CORP LTD) 30 June 1988 (1988-06-30)	9, 10	
Y	See 70kd mitochondrial antigen of PBC (AC:CAA00430) * the whole document *	1-8, 11, 12	
Y	THEKKUMKARA T J ET AL: "NUCLEOTIDE SEQUENCE OF A COMPLEMENTARY DNA FOR THE DIHYDROLIPOAMIDE ACETYLTRANSFERASE COMPONENT OF HUMAN PYRUVATE DEHYDROGENASE COMPLEX" FEBS (FEDERATION OF EUROPEAN BIOCHEMICAL SOCIETIES) LETTERS, vol. 240, no. 1-2, 1988, pages 45-48, XP002167030 ISSN: 0014-5793 * the whole document *	1-8, 10-12	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
D, Y	SCHAFER A J ET AL: "DNA VARIATION AND THE FUTURE OF HUMAN GENETICS" NATURE BIOTECHNOLOGY, NATURE PUBLISHING, US, vol. 16, January 1998 (1998-01), pages 33-39, XP000890128 ISSN: 1087-0156 * the whole document *	1-8, 10-12	C12Q
The present search report has been drawn up for all claims			
1	Place of search THE HAGUE	Date of completion of the search 10 May 2001	Examiner Hagenmaier, S
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
D, Y	WO 97 40462 A (SPECTRA BIOMEDICAL INC) 30 October 1997 (1997-10-30) * the whole document * ----	1-8, 10-12	
D, Y	NOLLAU ET AL: "Methods for detection of point mutations" CLINICAL CHEMISTRY, US, AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY. WINSTON, vol. 43, no. 7, 1997, pages 1114-1128, XP002109368 ISSN: 0009-9147 * the whole document * ----	1-8, 10-12	
Y	WO 99 40222 A (VARIAGENICS INC) 12 August 1999 (1999-08-12) * the whole document *	1-8, 10-12	
A	PATEL MULCHAND S ET AL: "Mammalian alpha-keto acid dehydrogenase complexes: Gene regulation and genetic defects." FASEB JOURNAL, vol. 9, no. 12, 1995, pages 1164-1172, XP002167026 ISSN: 0892-6638 * the whole document * -----		TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 0271

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

10-05-2001

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
WO 8804689 A	30-06-1988	AT	139259	T	15-06-1996
		AU	604087	B	06-12-1990
		AU	1086888	A	15-07-1988
		DE	3751834	D	18-07-1996
		DE	3751834	T	07-11-1996
		EP	0293471	A	07-12-1988
		JP	2875226	B	31-03-1999
		JP	9308490	A	02-12-1997
		JP	11075864	A	23-03-1999
		JP	2815582	B	27-10-1998
		JP	1502077	T	27-07-1989
		NZ	222942	A	25-06-1991
		US	5196319	A	23-03-1993
		US	5891436	A	06-04-1999
		ZA	8709403	A	23-06-1988
WO 9740462 A	30-10-1997	AU	2734197	A	12-11-1997
		EP	0897567	A	24-02-1999
		JP	2000508912	T	18-07-2000
WO 9940222 A	12-08-1999	AU	2482899	A	23-08-1999
		EP	1053352	A	22-11-2000
		US	6110684	A	29-08-2000